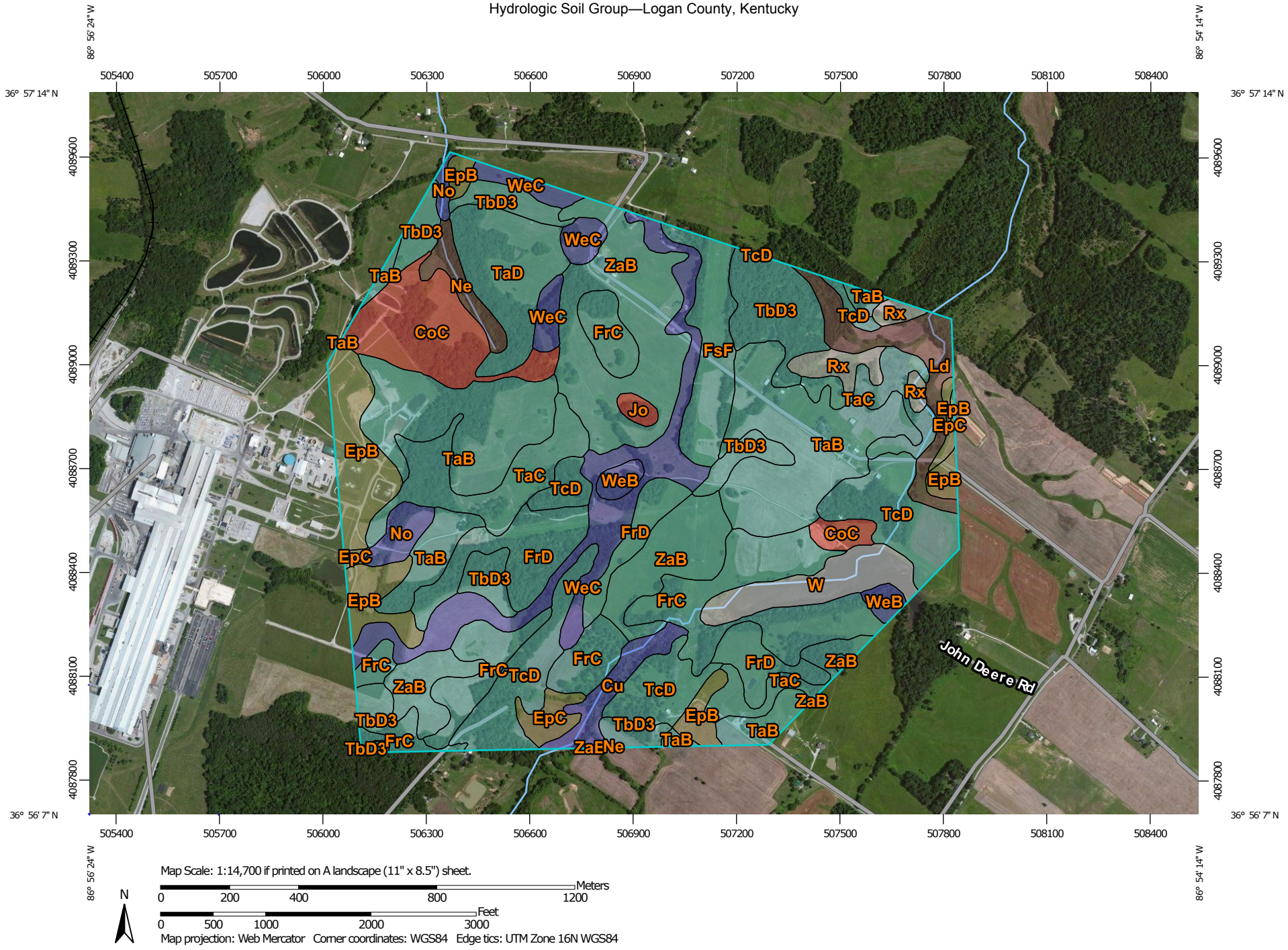
86° 56' 24" W
86° 54' 14" W
36° 57' 14" N
36° 56' 7" N
505400
505700
506000
506300
506600
506900
507200
507500
507800
508100
508400
4089600
4089300
4089000
4088700
4088400
4088100
4087800
EpB
No
WeC
TbD3
TaB
Ne
TaD
ZaB
TcD
Rx
CoC
FrC
FsF
Ld
TaC
Jo
EpC
WeB
FrD
W
Cu
ZaE
John Deere Rd
Map Scale: 1:14,700 if printed on A landscape (11" x 8.5") sheet.
N
Meters
0
200
400
800
1200
Feet
0
500
1000
2000
3000
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Lines

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Points

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Logan County, Kentucky
Survey Area Data: Version 11, Sep 15, 2015

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 17, 2011—Jul 2, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Hydrologic Soil Group— Summary by Map Unit — Logan County, Kentucky (KY141)				
Map unit symbol	**Map unit name**	**Rating**	**Acres in AOI**	**Percent of AOI**
CoC	Colbert silt loam, 6 to 12 percent slopes	D	29.4	4.8%
Cu	Cuba silt loam	B	8.2	1.3%
EpB	Epley silt loam, 2 to 6 percent slopes	C/D	32.8	5.4%
EpC	Epley silt loam, 6 to 12 percent slopes	C/D	7.0	1.1%
FrC	Frondorf silt loam, 6 to 12 percent slopes	C	60.1	9.8%
FrD	Frondorf silt loam, 12 to 20 percent slopes	C	33.2	5.4%
FsF	Frondorf stony complex, 12 to 50 percent slopes (muskingum, stony)	C	18.8	3.1%
Jo	Johnsburg silt loam	D	1.9	0.3%
Ld	Lindside silt loam	B/D	15.8	2.6%
Ne	Newark silt loam	B/D	5.9	1.0%
No	Nolin silt loam	B	6.5	1.1%
Rx	Rock outcrop-Fredonia-Colbert complex (caneyville rocky)		8.3	1.4%
TaB	Talbott silt loam, 2 to 6 percent slopes	C	88.9	14.5%
TaC	Talbott silt loam, 6 to 12 percent slopes	C	41.0	6.7%
TaD	Talbott silt loam, 12 to 20 percent slopes	C	23.6	3.9%
TbD3	Talbott silty clay, 6 to 20 percent slopes, severely eroded	C	44.9	7.3%
TcD	Talbott-Colbert rocky silt loams, 2 to 20 percent slopes (caneyville rocky)	C	52.1	8.5%
W	Water		15.4	2.5%
WeB	Wellston silt loam, 2 to 6 percent slopes	B	5.0	0.8%
WeC	Wellston silt loam, 6 to 12 percent slopes	B	44.9	7.3%

Hydrologic Soil Group— Summary by Map Unit — Logan County, Kentucky (KY141)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
ZaB	Zanesville silt loam, 2 to 6 percent slopes	C	67.7	11.1%
Totals for Area of Interest			**611.6**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher